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# NATIONAL SENIOR CERTIFICATE

**GRADE 10** 

PHYSICAL SCIENCES: PHYSICS (P1)

**EXEMPLAR PAPER - 2006** 

**MARKS: 150** 

TIME: 3 hours

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web when end effects are neglected an analytical solution to the equation of motion can be obtained for the fluid velocity and pressure profiles parameters that are varied include the radii of the inner and outer cylinders rotational speed of the inner cylinder and kinematic viscosity of the fluid